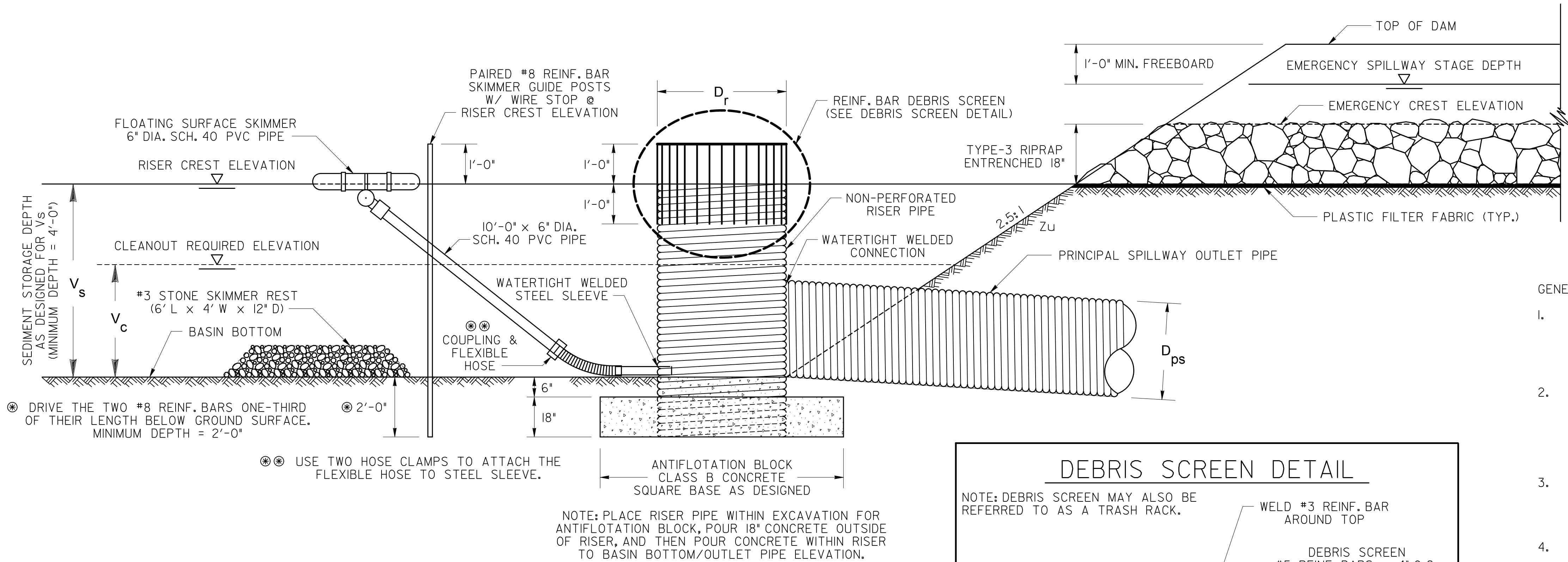


SKIMMER AND PRINCIPAL SPILLWAY STRUCTURE

NOTE: SEE EMERGENCY SPILLWAY DETAIL ON DETAIL D-22A



Dr = PRINCIPAL SPILLWAY RISER PIPE DIAMETER
Dps = PRINCIPAL SPILLWAY OUTLET PIPE DIAMETER
Vs = SEDIMENT STORAGE VOLUME AS DESIGNED
Vc = SEDIMENT CLEANOUT VOLUME AT ONE-THIRD OF Vs
Zu = UPSTREAM SIDE SLOPE
Zd = DOWNSTREAM SIDE SLOPE

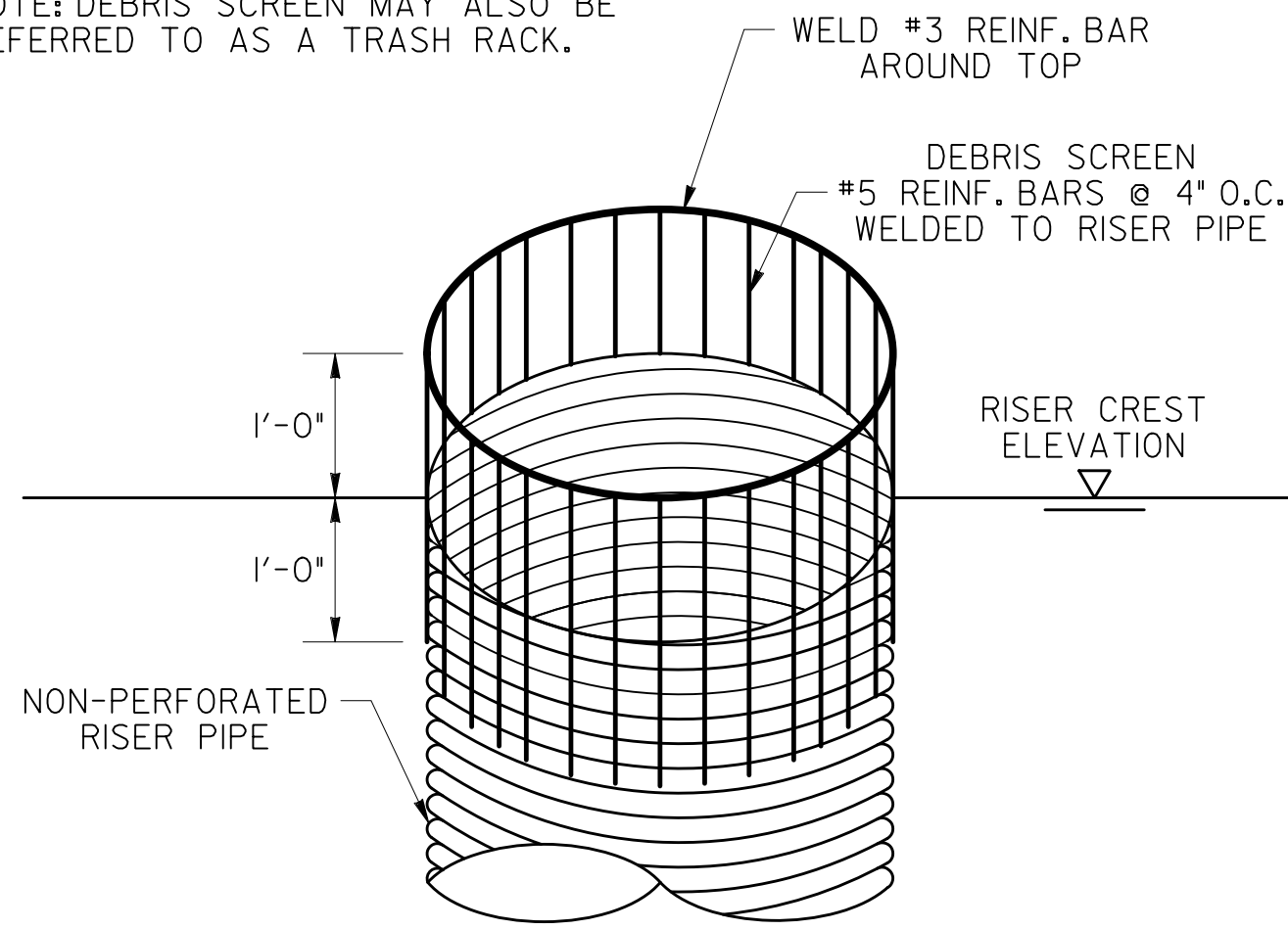
GENERAL NOTES:

- A TEMPORARY SEDIMENT BASIN IS DESIGNED TO STORE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT PER ACRE OF CONTRIBUTING DRAINAGE AREA. A PRINCIPAL SPILLWAY IS DESIGNED TO CONVEY THE 2-YEAR, 24-HOUR STORM EVENT AND AN EMERGENCY SPILLWAY IS DESIGNED TO BE USED IN CONJUNCTION WITH THE PRINCIPAL SPILLWAY TO CONVEY THE 25-YEAR, 24-HOUR STORM EVENT.
- A FLOATING SURFACE SKIMMER IS A REQUIRED BEST MANAGEMENT PRACTICE (BMP) TO DEWATER THE BASIN'S SEDIMENT STORAGE VOLUME WITHIN 24 TO 48 HOURS.

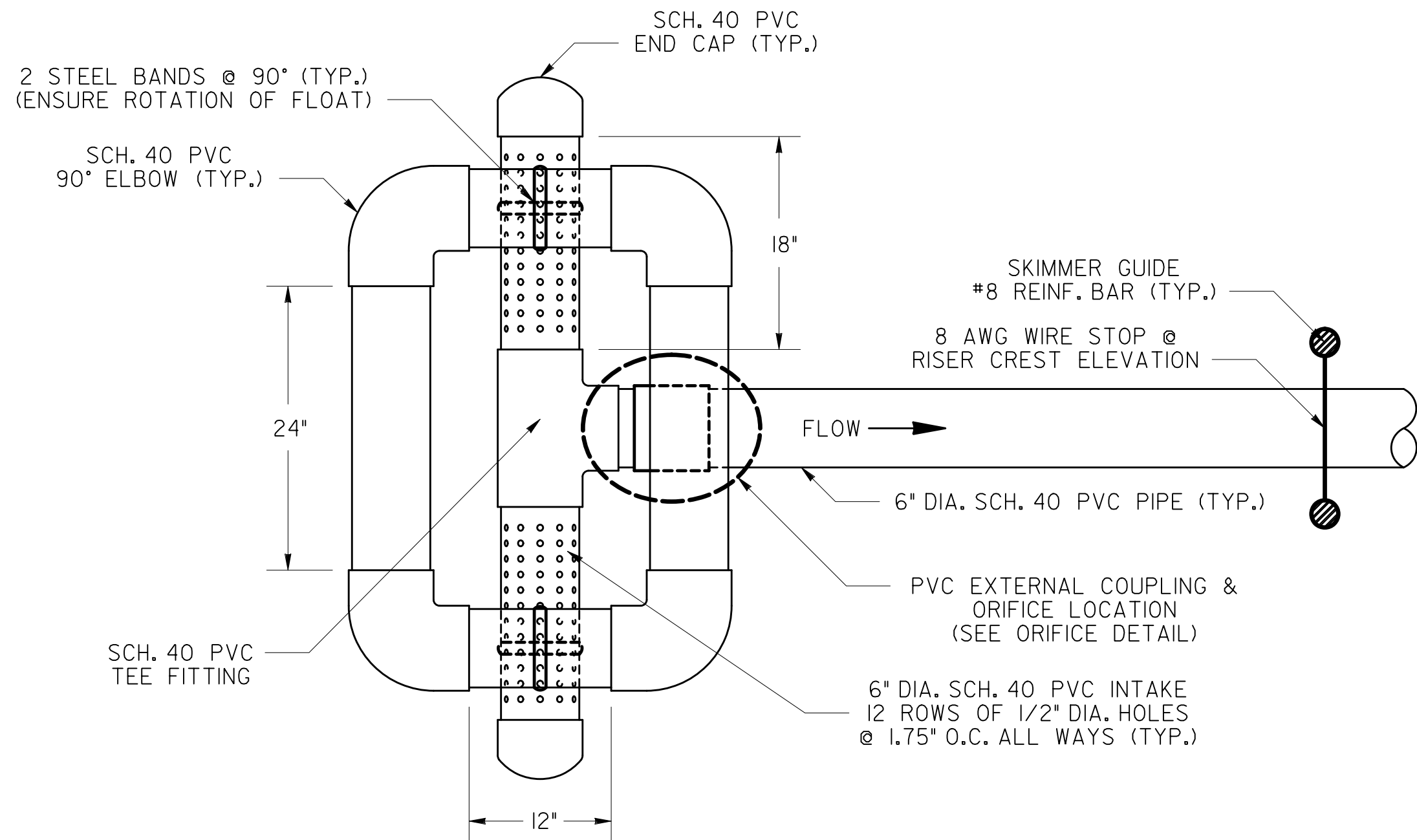
CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE FLOATING SURFACE SKIMMER DESIGN FOR EACH CORRESPONDING TEMPORARY SEDIMENT BASIN. THE CONTRACTOR'S GSWCC LEVEL II DESIGN PROFESSIONAL SHALL SUBMIT THE ALTERNATE FLOATING SURFACE SKIMMER DESIGN.
- REFER TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FOR THE LOCATION AND SPECIFIC DESIGN INFORMATION FOR EACH SEDIMENT BASIN. ALL ITEMS SHOWN AND INCIDENTAL ITEMS NECESSARY FOR CONSTRUCTION ARE TO BE INCLUDED IN THE OVERALL BID PRICE FOR EACH TEMPORARY SEDIMENT BASIN.
- SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY SEDIMENT BASINS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF TEMPORARY SEDIMENT BASINS.
- A STAKE SHALL BE PLACED NEAR THE PRINCIPAL SPILLWAY NOTING THE CLEANOUT ELEVATION. THE ENGINEER MAY DIRECT CONTRACTOR TO REMOVE OF UP TO 1 FOOT OF SEDIMENT AROUND SKIMMER AREA TO ENSURE FUNCTIONALITY OF THE SKIMMER AT NO ADDITIONAL COST.
- REFER TO DETAIL D-22A FOR ADDITIONAL INFORMATION ON THE TEMPORARY SEDIMENT BASIN.

DEBRIS SCREEN DETAIL

NOTE: DEBRIS SCREEN MAY ALSO BE REFERRED TO AS A TRASH RACK.

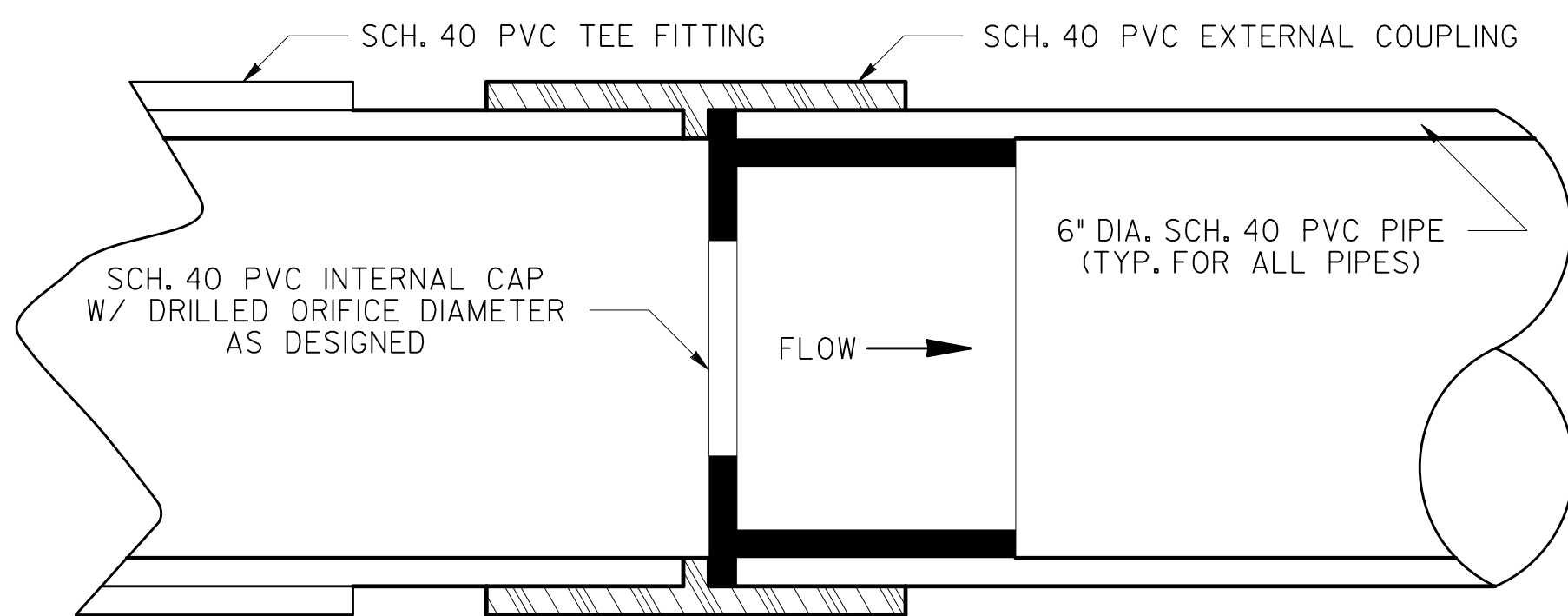


FLOATING SURFACE SKIMMER TOP VIEW DETAIL



ORIFICE DETAIL

THE CONTRACTOR MAY SUBMIT AN ACCEPTABLE ALTERNATE METHOD FOR CONSTRUCTING THE ORIFICE.



DRILLED ORIFICE DIAMETER (IN) TABLE							
1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
DISCHARGE WITH 0.75 FEET OF HEAD (CFS)							
0.02	0.05	0.09	0.15	0.21	0.38	0.59	0.85

NOTE: THE HYDRAULIC HEAD IS APPROXIMATE AND MEASURED FROM THE WATER SURFACE TO THE CENTROID OF THE ORIFICE WITH A 0.62 DISCHARGE COEFFICIENT.

PAY ITEMS:
163-0531 CONSTRUCT & REMOVE SEDIMENT BASIN, STA NO- (EA)
165-0060 MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO- (EA)

		II-28-8	DATE	DEPARTMENT OF TRANSPORTATION	
		REVISION		STATE OF GEORGIA	
		NOTES & EMERG. SPILLWAY		CONSTRUCTION DETAILS	
				TEMPORARY SEDIMENT BASIN	
				NO SCALE	
				JUNE 2014	
				NUMBER	
				D-22B	
				(SHEET 2 OF 2)	